



July 2009

DEPARTMENT OF EDUCATION
2008–2009 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State accountability standards of Maine's *Learning Results*. The *Learning Results* contain goals for what all students should know and be able to do at certain times in their school careers and include the accountability standards that are assessed for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind* Act.

The 2008-2009 MEA Summary Reports contain the results of student achievement in reading and mathematics at all grades and science at grades 5 and 8 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. More information about the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the assessments.

Sincerely,

Susan A. Gendron
Commissioner of Education



School Report Grade 4

Test Date: March 2009
Code: 12091532
SAU: MSAD 15
School: Burchard A Dunn School

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

<i>Topic</i>	<i>Page</i>
Summary of Scores	2
Summary of Student Participation	3
English Language Arts – Reading Results	4-6
Mathematics Results	7-9

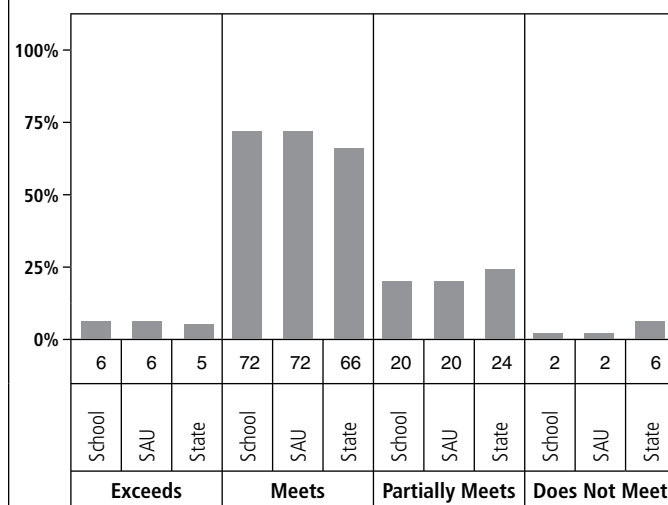
SUMMARY OF SCORES

Test Date: March 2009
Grade: 4
SAU: MSAD 15
School: Burchard A Dunn School

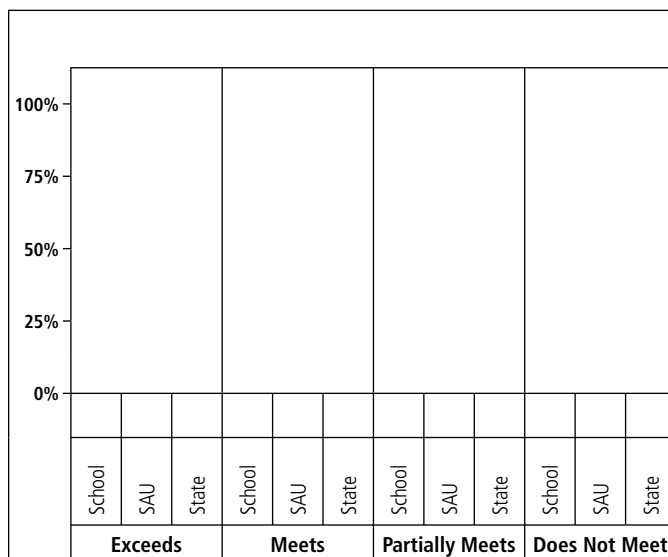
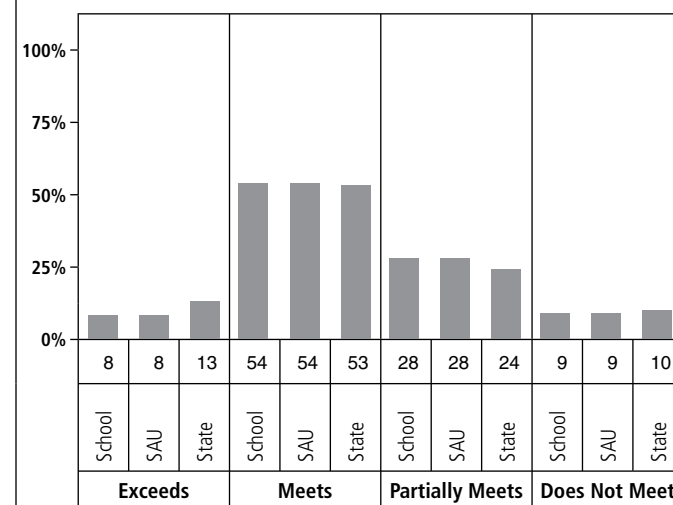
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2006–2007	446	446	445
2007–2008	445	445	445
2008–2009	447	447	446
Cum. Avg.*	446	446	445
Mathematics			
2006–2007	443	443	445
2007–2008	447	447	445
2008–2009	445	445	446
Cum. Avg.*	445	445	445

ELA – READING



MATHEMATICS



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2009
Grade: 4
SAU: MSAD 15
School: Burchard A Dunn School

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																	
							ELA-Reading						Mathematics											
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Total number of students	131	100	131	100	13805	100	131	100	131	100	13737	100	131	100	131	100	13746	100						
Ethnicity African American/Black	3	2	3	2	419	3	3	100	3	100	410	98	3	100	3	100	416	99						
American Indian or Native Alaskan	0	0	0	0	125	1	0	0	0	0	124	99	0	0	0	0	124	99						
Asian or Pacific Islander	2	2	2	2	229	2	2	100	2	100	223	97	2	100	2	100	227	99						
Hispanic	1	1	1	1	149	1	1	100	1	100	148	99	1	100	1	100	148	99						
Caucasian/White	125	95	125	95	12883	93	125	100	125	100	12832	100	125	100	125	100	12831	100						
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Identified disability	19	15	19	15	2383	17	19	100	19	100	2366	100	19	100	19	100	2364	99						
Current LEP	2	2	2	2	377	3	2	100	2	100	362	96	2	100	2	100	373	99						
Economically disadvantaged	43	33	43	33	5819	42	43	100	43	100	5782	99	43	100	43	100	5788	100						
Migrant	0	0	0	0	6	0	0	0	0	0	6	100	0	0	0	0	6	100						

MODE OF PARTICIPATION ³	ELA-Reading						Mathematics											
	School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	102	78	102	78	10439	76	102	78	102	78	10471	76						
Identified disability (PET/IEP)	0	0	0	0	351	3	1	1	1	1	367	4						
LEP	0	0	0	0	171	2	0	0	0	0	172	2						
504 plan	4	4	4	4	92	1	4	4	4	4	90	1						
Participation with accommodations	28	21	28	21	3142	23	28	21	28	21	3138	23						
Identified disability (PET/IEP)	18	64	18	64	1860	59	17	61	17	61	1860	59						
LEP	1	4	1	4	186	6	1	4	1	4	198	6						
504 plan	2	7	2	7	71	2	2	7	2	7	73	2						
Other	8	29	8	29	1060	34	9	32	9	32	1043	33						
Participation through alternate assessment (PAAP)	1	1	1	1	155	1	1	1	1	1	137	1						
Identified disability (PET/IEP)	1	100	1	100	155	100	1	100	1	100	137	100						
LEP	1	100	1	100	4	3	1	100	1	100	3	2						
504 plan	0	0	0	0	0	0	0	0	0	0	0	0						
Approved non-participation in reading – 1st year LEP	0	0	0	0	1	0												
Approved non-participation – special consideration	0	0	0	0	11	0	0	0	0	0	11	0						
Non-participation – other	0	0	0	0	57	0	0	0	0	0	48	0						

¹Percents are the percentage of students enrolled in each participation category.

²Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

³Percents are the percentage of students in each content area by mode.

ELA–READING RESULTS

Test Date: March 2009
Grade: 4
SAU: MSAD 15
School: Burchard A Dunn School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (Scaled Score 462–480)	2006-2007	6	5	6	5	507	4
	2007-2008	2	1	2	1	559	4
	2008-2009	8	6	8	6	672	5
	Cum. Total*	16	4	16	4	1738	4
Meets the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (Scaled Score 442–460)	2006-2007	88	66	88	66	8749	63
	2007-2008	100	65	100	65	8308	59
	2008-2009	94	72	94	72	8917	66
	Cum. Total*	282	68	282	68	25974	63
Partially Meets the Standards – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (Scaled Score 432–440)	2006-2007	32	24	32	24	3467	25
	2007-2008	42	27	42	27	3922	28
	2008-2009	26	20	26	20	3241	24
	Cum. Total*	100	24	100	24	10630	26
Does Not Meet the Standards – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (Scaled Score 400–430)	2006-2007	7	5	7	5	1165	8
	2007-2008	9	6	9	6	1264	9
	2008-2009	2	2	2	2	751	6
	Cum. Total*	18	4	18	4	3180	8

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Reading Total Points	48	100	32.5	67.7	32.5	67.7	31.6	65.8
A1/A2 Interconnected Elements/Literary Text	24	50	16.5	68.8	16.5	68.8	16.1	67.1
A1/A3 Interconnected Elements/Informational Text	24	50	16.0	66.7	16.0	66.7	15.5	64.6

The MEA assesses students’ reading skills based on questions related to two types of reading passages: literary and informational. Reading passages include both long and short texts, selected from developmentally appropriate works. MEA reading items measure the English Language Arts accountability content standard A, Reading, contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at:
<http://www.maine.gov/education/lres/pei/index.html>.

ELA-READING RESULTS

(CONTINUED)

Test Date: March 2009
Grade: 4
SAU: MSAD 15
School: Burchard A Dunn School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	130	8	6	94	72	26	20	2	2	447	130	6	72	20	2	447	13581	5	66	24	6	446
Ethnicity																						
African American/Black	3										3						408	2	51	31	16	441
American Indian or Native Alaskan	0										0						122	1	59	34	6	444
Asian or Pacific Islander	2										2						221	9	62	22	7	447
Hispanic	1										1						146	1	64	28	6	445
Caucasian/White	124	8	6	89	72	25	20	2	2	447	124	6	72	20	2	447	12684	5	66	24	5	446
Not Reported	0										0						0					
Identified disability																						
Yes	18	0	0	13	72	3	17	2	11	443	18	0	72	17	11	443	2211	1	39	42	18	439
No	112	8	7	81	72	23	21	0	0	448	112	7	72	21	0	448	11370	6	71	20	3	448
Current LEP																						
Yes	1										1						357	3	42	36	19	440
No	129	8	6	93	72	26	20	2	2	447	129	6	72	20	2	447	13224	5	66	24	5	446
Economically disadvantaged																						
Yes	42	1	2	31	74	10	24	0	0	445	42	2	74	24	0	445	5677	2	57	32	9	443
No	88	7	8	63	72	16	18	2	2	448	88	8	72	18	2	448	7904	7	72	18	3	448
Migrant																						
Yes	0										0						6	0	67	33	0	445
No	130	8	6	94	72	26	20	2	2	447	130	6	72	20	2	447	13575	5	66	24	6	446
Gender																						
Female	62	7	11	44	71	11	18	0	0	449	62	11	71	18	0	449	6580	7	68	21	5	448
Male	68	1	1	50	74	15	22	2	3	446	68	1	74	22	3	446	7001	3	64	27	6	445
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	10	0	0	7	70	3	30	0	0	443	10	0	70	30	0	443	2127	1	48	42	9	441
No	120	8	7	87	73	23	19	2	2	448	120	7	73	19	2	448	11454	6	69	20	5	447
Gifted/talented program																						
Yes	8	5	63	3	38	0	0	0	0	463	8	63	38	0	0	463	324	27	72	1	0	458
No	122	3	2	91	75	26	21	2	2	446	122	2	75	21	2	446	13257	4	65	24	6	446

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

ELA-READING RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 4
SAU: MSAD 15
School: Burchard A Dunn School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
		%	N	%	N	%	N	%	N			%	%	%	%			%	%	%	%	
How much homework do you do on school nights? A. none B. less than one hour C. one to two hours D. more than two hours	2 75 22 1	0 8 0 0	0 8 0 0	1 70 23 0	50 72 79 0	1 17 6 1	50 18 21 100	0 2 0 0	0 2 0 0	442 448 446 438	2 75 22 1	0 8 0 0	50 72 79 0	50 18 21 100	0 2 0 0	442 448 446 438	4 75 18 2	2 5 5 3	45 67 67 45	36 23 23 36	17 4 5 16	441 447 447 442
Which of the following best describes how you rate yourself as a student in reading? A. very good B. good C. fair D. poor	40 46 14 0	5 3 0 0	10 5 0 0	37 42 13 0	73 72 72 0	9 12 4 0	18 21 22 0	0 1 1 0	0 2 6 0	449 447 445 0	40 46 14 0	10 5 0 0	73 72 72 0	18 21 22 0	0 2 6 0	449 447 445 0	40 45 13 2	8 3 1 0	71 66 54 39	17 25 35 42	4 5 10 19	449 446 442 439
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading? A. The questions on the test match what I have learned in reading class. B. They match some of what I have learned. C. They match just a little of what I have learned. D. There is no match.	20 65 12 3	1 6 0 1	4 7 0 25	19 63 10 2	73 75 67 50	6 13 5 1	23 15 33 25	0 2 0 0	0 2 0 0	447 448 444 447	20 65 12 3	4 7 0 25	73 75 67 50	23 15 33 25	0 2 0 0	447 448 444 447	31 53 11 4	8 4 2 1	69 68 54 39	19 23 35 40	4 4 10 20	448 447 442 439
How hard was the reading part of this test? A. harder than my regular schoolwork B. about the same as my regular schoolwork C. easier than my regular schoolwork	20 64 16	0 7 1	0 9 5	17 60 16	68 73 76	8 13 4	32 16 19	0 2 0	0 2 0	445 448 447	20 64 16	0 9 5	68 73 76	32 16 19	0 2 0	445 448 447	19 63 18	4 6 4	54 69 68	31 22 23	11 4 5	443 447 446
How hard were the reading passages on this test? A. Most of the passages were harder than what I normally read. B. Most of the passages were about the same as what I normally read. C. Most of the passages were easier than what I normally read.	13 54 32	0 3 5	0 4 12	9 53 30	53 77 73	7 13 5	41 19 12	1 0 1	6 0 2	441 447 450	13 54 32	0 4 12	53 77 73	41 19 12	6 0 2	441 447 450	13 52 35	0 4 9	39 69 72	43 24 16	17 4 3	439 446 449
How much time do you spend reading at home each day? A. more than one hour B. 20 minutes to an hour C. less than 20 minutes D. I rarely read at home.	24 62 5 9	3 5 0 0	10 6 0 0	22 59 6 7	71 74 86 64	6 15 1 3	19 19 14 27	0 1 0 1	0 1 0 9	449 447 448 442	24 62 5 9	10 6 0 0	71 74 86 64	19 19 14 27	0 1 0 9	449 447 448 442	21 55 13 11	8 5 2 1	68 70 57 51	19 21 33 37	5 4 8 11	448 447 443 442
How many pages do you read in school and to complete homework assignments? A. five or fewer pages B. six to ten pages C. eleven or more pages	19 17 64	1 0 7	4 0 9	15 17 58	63 81 73	6 4 15	25 19 19	2 0 0	8 0 0	443 448 448	19 17 64	4 0 9	63 81 73	25 19 19	8 0 0	443 448 448	25 24 51	3 4 7	59 64 70	30 26 20	8 6 4	444 445 448
Optional school/SAU question A. B. C. D.	0 0 100 0	0 0 0 0	0 0 0 0	1 0 0 0	100 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	454 0 0 0	0 0 100 0	0 0 0 0	100 0 0 0	0 0 0 0	0 0 0 0	454 0 0 0						

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards
N = Number

MATHEMATICS RESULTS

Test Date: March 2009
Grade: 4
SAU: MSAD 15
School: Burchard A Dunn School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (Scaled Score 462–480)	2006-2007	6	5	6	5	1054	8
	2007-2008	11	7	11	7	1321	9
	2008-2009	11	8	11	8	1712	13
	Cum. Total*	28	7	28	7	4087	10
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (Scaled Score 442–460)	2006-2007	66	50	66	50	7394	53
	2007-2008	87	57	87	57	7079	51
	2008-2009	70	54	70	54	7270	53
	Cum. Total*	223	54	223	54	21743	52
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (Scaled Score 430–440)	2006-2007	39	29	39	29	3729	27
	2007-2008	48	31	48	31	3955	28
	2008-2009	37	28	37	28	3219	24
	Cum. Total*	124	30	124	30	10903	26
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (Scaled Score 400–428)	2006-2007	22	17	22	17	1735	12
	2007-2008	7	5	7	5	1642	12
	2008-2009	12	9	12	9	1408	10
	Cum. Total*	41	10	41	10	4785	12

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Mathematics Total Points	48	100	30.2	62.9	30.2	62.9	30.8	64.2
A. Number	20	42	11.1	55.5	11.1	55.5	12.5	62.5
B. Data	8	17	5.5	68.8	5.5	68.8	5.3	66.3
C. Geometry	10	21	6.8	68.0	6.8	68.0	6.5	65.0
D. Algebra	10	21	6.8	68.0	6.8	68.0	6.5	65.0

The MEA assesses students’ mathematics knowledge based on questions that measure the mathematics accountability content standards contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard A, Number, includes Whole Number, Rational Number, and Real Number.

Content Standard B, Data, includes Measurement and Approximation, Data Analysis, and Probability.

Content Standard C, Geometry, includes Geometric Figures, Geometric Measurement, and Transformations.

Content Standard D, Algebra, includes Symbols and Expressions, Equations and Inequalities, and Functions and Relations.

MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2009
Grade: 4
SAU: MSAD 15
School: Burchard A Dunn School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	130	11	8	70	54	37	28	12	9	445	130	8	54	28	9	445	13609	13	53	24	10	446
Ethnicity																						
African American/Black	3										3						415	5	41	30	24	439
American Indian or Native Alaskan	0										0						123	12	46	28	13	445
Asian or Pacific Islander	2										2						225	22	45	20	12	448
Hispanic	1										1						147	3	58	30	10	443
Caucasian/White	124	11	9	67	54	34	27	12	10	446	124	9	54	27	10	446	12699	13	54	23	10	447
Not Reported	0										0						0					
Identified disability																						
Yes	18	0	0	6	33	9	50	3	17	439	18	0	33	50	17	439	2227	3	34	33	30	437
No	112	11	10	64	57	28	25	9	8	446	112	10	57	25	8	446	11382	14	57	22	7	448
Current LEP																						
Yes	1										1						370	7	35	31	27	439
No	129	11	9	69	53	37	29	12	9	445	129	9	53	29	9	445	13239	13	54	23	10	447
Economically disadvantaged																						
Yes	42	1	2	24	57	15	36	2	5	443	42	2	57	36	5	443	5704	6	48	30	16	442
No	88	10	11	46	52	22	25	10	11	446	88	11	52	25	11	446	7905	18	57	19	6	450
Migrant																						
Yes	0										0						6	17	33	50	0	448
No	130	11	8	70	54	37	28	12	9	445	130	8	54	28	9	445	13603	13	53	24	10	446
Gender																						
Female	62	5	8	36	58	17	27	4	6	446	62	8	58	27	6	446	6591	12	54	24	11	446
Male	68	6	9	34	50	20	29	8	12	445	68	9	50	29	12	445	7018	13	53	24	10	447
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	10	0	0	2	20	5	50	3	30	435	10	0	20	50	30	435	2131	3	41	38	18	440
No	120	11	9	68	57	32	27	9	8	446	120	9	57	27	8	446	11478	14	56	21	9	448
Gifted/talented program																						
Yes	8	6	75	2	25	0	0	0	0	465	8	75	25	0	0	465	324	64	34	2	0	464
No	122	5	4	68	56	37	30	12	10	444	122	4	56	30	10	444	13285	11	54	24	11	446

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

MATHEMATICS RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 4
SAU: MSAD 15
School: Burchard A Dunn School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
		%	N	%	N	%	N	%	N			%	%	%	%			%	%	%	%	
How much homework do you do on school nights?																						
A. none	2	0	0	1	50	0	0	1	50	435	2	0	50	0	50	435	4	4	37	30	28	438
B. less than one hour	75	10	10	52	54	29	30	6	6	447	75	10	54	30	6	447	75	13	55	23	9	447
C. one to two hours	22	1	3	17	59	7	24	4	14	443	22	3	59	24	14	443	18	12	54	24	10	446
D. more than two hours	1	0	0	0	0	1	100	0	0	434	1	0	0	100	0	434	2	7	39	29	25	440
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	45	10	17	29	50	13	22	6	10	448	45	17	50	22	10	448	37	22	56	16	7	451
B. good	42	1	2	32	59	17	31	4	7	445	42	2	59	31	7	445	45	9	56	25	9	446
C. fair	12	0	0	8	53	6	40	1	7	441	12	0	53	40	7	441	14	3	46	34	17	440
D. poor	2	0	0	1	50	1	50	0	0	438	2	0	50	50	0	438	3	2	33	35	29	436
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?																						
A. The questions on the test match what I have learned in mathematics class.	19	7	28	9	36	7	28	2	8	449	19	28	36	28	8	449	35	19	56	19	7	450
B. They match some of what I have learned.	61	3	4	48	61	21	27	7	9	445	61	4	61	27	9	445	51	11	56	25	8	446
C. They match just a little of what I have learned.	16	1	5	11	52	7	33	2	10	442	16	5	52	33	10	442	10	5	43	31	21	440
D. There is no match.	3	0	0	2	50	2	50	0	0	446	3	0	50	50	0	446	4	3	26	33	37	434
How hard was the mathematics part of this test?																						
A. harder than my regular schoolwork	28	2	6	18	50	10	28	6	17	443	28	6	50	28	17	443	17	5	44	31	20	441
B. about the same as my regular schoolwork	59	8	11	43	57	20	27	4	5	447	59	11	57	27	5	447	62	13	57	23	7	448
C. easier than my regular schoolwork	13	1	6	8	47	7	41	1	6	443	13	6	47	41	6	443	21	18	53	19	10	449
On average, how many minutes a day do you spend working on mathematics in class?																						
A. less than 30 minutes	5	0	0	2	33	2	33	2	33	437	5	0	33	33	33	437	7	6	36	32	27	438
B. 30–45 minutes	19	0	0	9	38	12	50	3	13	440	19	0	38	50	13	440	25	7	52	28	12	444
C. 45–60 minutes	44	4	7	35	63	12	21	5	9	447	44	7	63	21	9	447	38	14	56	22	8	448
D. more than 60 minutes	33	7	17	24	57	11	26	0	0	449	33	17	57	26	0	449	30	18	56	19	7	449
How often do you use calculators in mathematics class?																						
A. almost every day	2	0	0	0	0	1	50	1	50	432	2	0	0	50	50	432	3	4	36	31	28	438
B. two or three days a week	9	1	9	5	45	5	45	0	0	445	9	9	45	45	0	445	12	13	51	26	10	446
C. two or three times each month	17	1	5	10	45	7	32	4	18	442	17	5	45	32	18	442	32	15	58	20	7	449
D. never or almost never	73	9	10	55	59	24	26	6	6	447	73	10	59	26	6	447	53	11	53	25	11	446
How often do you use hands-on materials in mathematics class?																						
A. almost every day	14	0	0	11	65	5	29	1	6	444	14	0	65	29	6	444	26	12	50	25	13	445
B. two or three days a week	31	3	8	24	62	11	28	1	3	447	31	8	62	28	3	447	32	14	57	21	7	448
C. two or three times each month	43	6	11	27	50	15	28	6	11	447	43	11	50	28	11	447	26	13	56	22	8	448
D. never or almost never	12	2	13	6	40	4	27	3	20	442	12	13	40	27	20	442	17	9	50	27	13	444
Optional school/SAU question																						
A.	0										0											
B.	0										0											
C.	100	0	0	1	100	0	0	0	0	446	100	0	100	0	0	446						
D.	0										0											